

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
25 September 2003 (25.09.2003)

PCT

(10) International Publication Number
WO 03/077705 A1

(51) International Patent Classification⁷: A45F 5/00

(21) International Application Number: PCT/US03/07329

(22) International Filing Date: 11 March 2003 (11.03.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/364,059 14 March 2002 (14.03.2002) US
60/413,824 26 September 2002 (26.09.2002) US

(71) Applicant and
(72) Inventor: SCOTT, Jeffrey, D. [US/US]; 3245 S. 600 E.,
Waldron, IN 46182 (US).

(74) Agent: POWLICK, Jill, T.; Barnes & Thornburg, 11
South Meridian Street, Indianapolis, IN 46204 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD,
SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US,
UZ, VC, VN, YU, ZA, ZM, ZW.

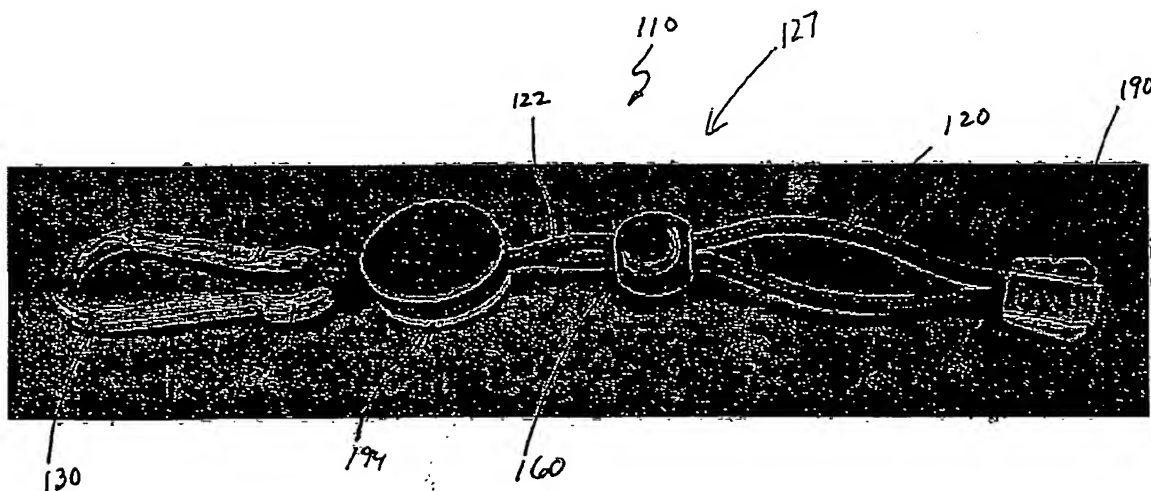
(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: ADJUSTABLE RETAINER FOR TRANSPORTING ARTICLES



(57) Abstract: Devices and methods of retaining an item are provided. An article carrier (10, 110) is provided, the article carrier comprising a flexible cable (20, 120) formed into a loop (28, 128) for holding the item, a clip (30, 130) coupled to the cable (20, 120) to couple the item to another object, and a cable retainer (60, 160) engaging the cable (20, 120) to adjust the size of the loop (28, 128) to secure the item within the loop (28, 128). The methods illustratively involve placing a portion of the item in the loop (28, 128), moving the cable retainer (60, 160) to tighten the loop (28, 128) around the portion of the item, and coupling the clip (30, 130) to the object. In an illustrated embodiment, the item is a beverage container, the portion of the item is the neck of the beverage container, and the object is a belt or belt loop worn by a person wishing to retain the beverage container.

507,512

WO 03/077705 A1

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/07329

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A45F 5/00

US CL : 224/148.6, 674, 250, 269; 24/3.13

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 224/148.1, 148.5, 148.6, 148.7, 666, 669, 670, 674, 675, 250, 269; 24/3.12, 3.13, 3.2, 3.7, 136R, 301, 302

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-------------|--|--|
| X — Y | US 5,896,623 A (MARTIN) 27 April 1999, see entire document, especially the embodiment of figure 3. | 1-10, 14-18, 22-27, 30-31, 33-36, 43-47, 51-56 11-13, 19-21, 39-42, 48-50 |
| X | US 6,029,870 A (GIACONA, III.) 29 February 2000, see entire document. | 1-5, 16, 18, 24-31, 33-36, 45-47, 54-58 |
| Y | US 6,056,173 A (GILLESPIE) 02 May 2000, see entire document. | 11-13, 19-21, 39-42, 48-50 |
| A | US 5,664,712 A (SMRT) 09 September 1997, see entire document. | 1-58 |
| A | US 6,131,780 A (BECKER) 17 October 2000, see entire document. | 1-58 |
| A | US 5,459,903 A (TREACY) 24 October 1995, see entire document. | 1-58 |
| A | US 5,956,812 A (MOENING) 28 September 1999, see entire document. | 1-58 |

☒ Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

14 July 2003 (14.07.2003)

Date of mailing of the international search report

08 AUG 2003

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703)305-3230

Authorized officer

Nathan J. Newhouse

Telephone No. (703)-308-1148

Sheila H. Venev
Paralegal Specialist
Tech. Center 3700

INTERNATIONAL SEARCH REPORT

PCT/US03/07329

| C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|---|--|-----------------------|
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| A | US 2,911,694 A (SERON) 10 November 1959, see entire document. | 1-58 |

Best Available Copy